

# Ashish Tulsian

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EDUCATION	<b>M.Tech in Information Technology</b> (3.77/4 CGPA) International Institute of Information Technology, Bangalore	<i>Jun 2006</i>
EXPERIENCE	<b>Software Engineer</b> , Fiberlink India Pvt Ltd., Bangalore Fiberlink is a trusted mobility expert and the worlds foremost provider of Mobility as a Service: on-demand services that help enterprises connect, control and secure laptops and mobile devices. Involved in the development of different products such as Extend360, Fiberlink System Probe and E360 Management Agent. Also involved in the development of components of Fiberlinks MaaS (Mobility as a Service) Platform  <b>Intern</b> , Intel India Technologies Ltd., Bangalore Worked for the development of a simulator for next generation graphics shader model. Involved in both design and implementation of the simulator.	<i>Jul 2006 - Dec 2008</i>  <i>Jan 2006 - Jun 2006</i>
SELECTED PROJECTS	<b>Extend360 Management Agent</b> , Fiberlink TEAM SIZE: 4 Extend360 Management Agent (EMA) is a control and visibility management agent, which is responsible for managing various mobile workers of a corporate. It provides a management UI, which gives control to the IT admins to manage endpoints irrespective of whether a user is in corporate network or not. <ul style="list-style-type: none"><li>◇ Designed and implemented a cron based scheduling frame work.</li><li>◇ Designed and implemented a system tray component for EMS agent.</li></ul> The extended scope of the project involved a Platform Independence exercise. <ul style="list-style-type: none"><li>◇ Converted string objects to platform independent variants.</li><li>◇ Created a platform independent timer class.</li><li>◇ Created a time object that can be used across platforms.</li></ul> <b>Fiberlink System Probe</b> , Fiberlink TEAM SIZE: 2-3 Fiberlink System Probe (FSP) runs as an ActiveX on a users system and is designed to efficiently collect and report customer end point and environment configuration information. <ul style="list-style-type: none"><li>◇ Involved from the inception of the project and was the lead developer for the product.</li><li>◇ Performed an in depth study of the functioning of an in-house framework and built an ActiveX framework over it.</li><li>◇ Developed DLL based agents to collect customers environment information.</li></ul> MaaS Development. <ul style="list-style-type: none"><li>◇ Designed and developed a MaaS component which has the ability to run an activex control.</li><li>◇ Developed a reporting framework which enables the user to view the collected information.</li><li>◇ Added workflows to view, add, manage and delete user's machine images.</li><li>◇ Added mappings and workflows to save the collected information using in-house BOMS framework.</li></ul>	<i>Jan 2008 - Sep 2008</i>  <i>Jan 2007 - Dec 2007</i>

**Charlotte, Fiberlink***Oct 2008 - Dec 2008*

TEAM SIZE: 4

Charlotte is an inspection agent that is able to discover the environmental attributes of a particular endpoint and evaluate them to more quickly identify and diagnose potential issues for a variety of applications. It is the next generation of Fiberlink System Probe (FSP) and uses Extend360 Management Agent (EMA) as its core engine.

- ◊ Involved in integration of FSP ActiveX with EMA core.
- ◊ Developed Lua scripts and wrote Lua extensions to collect customers' environment information and identify potential issues.

**Valentina to SQLite Migration for Extend360, Fiberlink***Sep 2006 - Dec 2006*

TEAM SIZE: 2

Extend360 is Fiberlinks flagship product. It is a security and access management software which resides on a client machine and is controlled by a platform which is a hosted service.

E360 stores information like policies, phonebook, profiles etc in a Valentina database on client machine.

- ◊ Involved in migration of the Valentina database to a SQLite database.
- ◊ Involved in changing the adhoc database access management to a more organized DAL based model.

**A Database, IIIT, Bangalore***Aug 2005 - Sep 2005*

TEAM SIZE: 3

A Relational Database Management System supporting a subset of the standard SQL. The System supports indexing of records and has its own buffer management to increase the access speed. Involved in the designing and responsible for implementing the Database Engine and Parser.

**Desktop Search Engine, IIIT, Bangalore***Sep 2004 - Oct 2004*

TEAM SIZE: 3

The project involved building a Desktop Search Engine which can handle phrase matching and stemming. Involved in the designing and responsible for implementing indexing.

**SKILLS****Languages:** C, C++, Java, Lua, JavaScript**Databases:** MySQL, MS SQL, Oracle**Tools:** Visual Studio, Eclipse, Toad, Subversion, Memory Validator**Other:** JSP, HTML, XML, Spring, Tomcat, ActiveX, COM**HONORS**

- ◊ Got scholarship under HP Shiksha program for academic excellence at IIIT Bangalore.
- ◊ Filed a patent for the game of inverse chess (Chess played backwards in time).
- ◊ Presented poster on "Data centric ad hoc networks" at Intel India Student Research Contest 2005-06.